



*Where ideas connect*

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## **Title V Operating Permit**

**PERMIT NUMBER: 5700092002**

**DATE OF PERMIT: September 4, 2002**

Date of Last Revision: September 4, 2002

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This Operating Permit is issued to, and applies to the following:

**Name of Permittee:**

PacifiCorp  
1407 W. North Temple  
Salt Lake City, UT 84140

**Permitted Location:**

Little Mountain Power Plant  
765 N. 10500 W.  
P.O. Box 12099  
Ogden, UT 84404

UTM coordinates: 4,566,911 meters Northing, 398,160 meters Easting  
SIC code: 4931

## **ABSTRACT**

The PacifiCorp Little Mountain Plant consists of a stationary gas turbine/generator rated at 18 MW, a heat recovery steam generator with supplementary firing capability, and an auxiliary steam boiler. The system is fired by natural gas with fuel oil as back-up fuel. The plant produces steam and electricity for Great Salt Lake Minerals with excess electricity being supplied to the utility power distribution system for sale. Little Mountain is a major source of NO<sub>x</sub>, SO<sub>2</sub>, and CO.

### **UTAH AIR QUALITY BOARD**

By:

Richard W. Sprott, Executive Secretary

Prepared By:

Jennifer He

## Operating Permit History

10/30/1997 - Permit issued	Action initiated by an initial operating permit application	
6/29/1999 -Permit modified	Action initiated by a reopening of an operating permit for cause	to correct language in provision I.U.1 regarding inventory submittal, and to correct minor administrative issues in permit. No changes were made to the value or application of limitations or monitoring requirements. The permit ID was also changed from 5790088001 to 5700092001 to reflect the correct EPA identifier.
9/4/2002 - Permit issued	Action initiated by a renewal of an operating permit	No changes have been made except cited Utah rule numbers

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**Issued under authority of Utah Code Ann. Section 19-2-104 and 19-2-109.1, and in accordance with Utah Administrative Code R307-415 Operating Permit Requirements.**

All definitions, terms and abbreviations used in this permit conform to those used in Utah Administrative Code R307-101 and R307-415 (Rules), and 40 Code of Federal Regulations (CFR), except as otherwise defined in this permit. Unless noted otherwise, references cited in the permit conditions refer to the Rules.

Where a permit condition in Section I, General Provisions, partially recites or summarizes an applicable rule, the full text of the applicable portion of the rule shall govern interpretations of the requirements of the rule. In the case of a conflict between the Rules and the permit terms and conditions of Section II, Special Provisions, the permit terms and conditions of Section II shall govern except as noted in Provision I.M, Permit Shield.

**Section I: General Provisions**

**I.A. Federal Enforcement.**

All terms and conditions in this permit, including those provisions designed to limit the potential to emit, are enforceable by the EPA and citizens under the Clean Air Act of 1990 (CAA) except those terms and conditions that are specifically designated as "State Requirements". (R307-415-6b)

**I.B. Permitted Activity(ies).**

Except as provided in R307-415-7b(1), the permittee may not operate except in compliance with this permit. (See also Provision I.E, Application Shield)

**I.C. Duty to Comply.**

I.C.1 The permittee must comply with all conditions of the operating permit. Any permit noncompliance constitutes a violation of the Air Conservation Act and is grounds for any of the following: enforcement action; permit termination; revocation and reissuance; modification; or denial of a permit renewal application. (R307-415-6a(6)(a))

I.C.2 It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. (R307-415-6a(6)(b))

I.C.3 The permittee shall furnish to the Executive Secretary, within a reasonable time, any information that the Executive Secretary may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Executive Secretary copies of records required to be kept by this permit or, for information claimed to be confidential, the permittee may furnish such records directly to the EPA along with a claim of confidentiality. (R307-415-6a(6)(e))

I.C.4 This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance shall not stay

any permit condition, except as provided under R307-415-7f(1) for minor permit modifications. (R307-415-6a(6)(c))

**I.D. Permit Expiration and Renewal.**

**I.D.1 This permit is issued for a fixed term of five years and expires on September 4, 2007.** (R307-415-6a(2))

**I.D.2** Application for renewal of this permit is due by March 4, 2007. An application may be submitted early for any reason. (R307-415-5a(1)(c))

**I.D.3** An application for renewal submitted after the due date listed in I.D.2 above shall be accepted for processing, but shall not be considered a timely application and shall not relieve the permittee of any enforcement actions resulting from submitting a late application. (R307-415-5a(5))

**I.D.4** Permit expiration terminates the permittee's right to operate unless a timely and complete renewal application is submitted consistent with R307-415-7b (see also Provision I.E, Application Shield) and R307-415-5a(1)(c) (see also Provision I.D.2). (R307-415-7c(2))

**I.E. Application Shield.**

If the permittee submits a timely and complete application for renewal, the permittee's failure to have an operating permit will not be a violation of R307-415, until the Executive Secretary takes final action on the permit renewal application. In such case, the terms and conditions of this permit shall remain in force until permit renewal or denial. This protection shall cease to apply if, subsequent to the completeness determination required pursuant to R307-415-7a(3), and as required by R307-415-5a(2), the applicant fails to submit by the deadline specified in writing by the Executive Secretary any additional information identified as being needed to process the application. (R307-415-7b(2))

**I.F. Severability.**

In the event of a challenge to any portion of this permit, or if any portion of this permit is held invalid, the remaining permit conditions remain valid and in force. (R307-415-6a(5))

**I.G. Permit Fee.**

**I.G.1** The permittee shall pay an annual emission fee to the Executive Secretary consistent with R307-415-9. (R307-415-6a(7))

**I.G.2** The emission fee shall be due on October 1 of each calendar year or 45 days after the source receives notice of the amount of the fee, whichever is later. (R307-415-9(4)(a))

**I.H. No Property Rights.**

This permit does not convey any property rights of any sort, or any exclusive privilege. (R307-415-6a(6)(d))

**I.I. Revision Exception.**

No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit. (R307-415-6a(8))

**I.J. Inspection and Entry.**

I.J.1 Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Executive Secretary or an authorized representative to perform any of the following:

I.J.1.a Enter upon the permittee's premises where the source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit. (R307-415-6c(2)(a))

I.J.1.b Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit. (R307-415-6c(2)(b))

I.J.1.c Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practice, or operation regulated or required under this permit. (R307-415-6c(2)(c))

I.J.1.d Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with this permit or applicable requirements. (R307-415-6c(2)(d))

I.J.2 Any claims of confidentiality made on the information obtained during an inspection shall be made pursuant to Utah Code Ann. Section 19-1-306. (R307-415-6c(2)(e))

**I.K. Certification.**

Any application form, report, or compliance certification submitted pursuant to this permit shall contain certification as to its truth, accuracy, and completeness, by a responsible official as defined in R307-415-3. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. (R307-415-5d)

**I.L. Compliance Certification.**

I.L.1 Permittee shall submit to the Executive Secretary an annual compliance certification, certifying compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. This certification shall be submitted no later than **April 1, 2003** and that date each year following until this permit expires. The certification shall include all the following (permittee may cross-reference this permit or previous reports): (R307-415-6c(5))

I.L.1.a The identification of each term or condition of this permit that is the basis of the certification;

I.L.1.b The identification of the methods or other means used by the permittee for determining the compliance status with each term and condition during the certification period, and whether such methods or other means provide continuous or intermittent data. Such

methods and other means shall include, at a minimum, the monitoring and related recordkeeping and reporting requirements in this permit. If necessary, the permittee also shall identify any other material information that must be included in the certification to comply with section 113(c)(2) of the Act, which prohibits knowingly making a false certification or omitting material information;

I.L.1.c The status of compliance with the terms and conditions of the permit for the period covered by the certification, based on the method or means designated in Provision I.L.1.b. The certification shall identify each deviation and take it into account in the compliance certification. The certification shall also identify as possible exceptions to compliance any periods during which compliance is required and in which an excursion or exceedance as defined under 40 CFR Part 64 occurred; and

I.L.1.d Such other facts as the Executive Secretary may require to determine the compliance status.

I.L.2 The permittee shall also submit all compliance certifications to the EPA, Region VIII, at the following address or to such other address as may be required by the Executive Secretary: (R307-415-6c(5)(d))

Office of Enforcement, Compliance and Environmental Justice  
(mail code 8ENF)  
EPA, Region VIII  
999 18th Street, Suite 300  
Denver, CO 80202-2466

**I.M. Permit Shield.**

I.M.1 Compliance with the provisions of this permit shall be deemed compliance with any applicable requirements as of the date of this permit, provided that:

I.M.1.a Such applicable requirements are included and are specifically identified in this permit, or (R307-415-6f(1)(a))

I.M.1.b Those requirements not applicable to the source are specifically identified and listed in this permit. (R307-415-6f(1)(b))

I.M.2 Nothing in this permit shall alter or affect any of the following:

I.M.2.a The emergency provisions of Utah Code Ann. Section 19-1-202 and Section 19-2-112, and the provisions of the CAA Section 303. (R307-415-6f(3)(a))

I.M.2.b The liability of the owner or operator of the source for any violation of applicable requirements under Utah Code Ann. Section 19-2-107(2)(g) and Section 19-2-110 prior to or at the time of issuance of this permit. (R307-415-6f(3)(b))

I.M.2.c The applicable requirements of the Acid Rain Program, consistent with the CAA Section 408(a). (R307-415-6f(3)(c))

I.M.2.d The ability of the Executive Secretary to obtain information from the source under Utah Code Ann. Section 19-2-120, and the ability of the EPA to obtain information from the source under the CAA Section 114. (R307-415-6f(3)(d))

**I.N. Emergency Provision.**

I.N.1 An “emergency” is any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under this permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error. (R307-415-6g(1))

I.N.2 An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the affirmative defense is demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

I.N.2.a An emergency occurred and the permittee can identify the causes of the emergency. (R307-415-6g(3)(a))

I.N.2.b The permitted facility was at the time being properly operated. (R307-415-6g(3)(b))

I.N.2.c During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in this permit. (R307-415-6g(3)(c))

I.N.2.d The permittee submitted notice of the emergency to the Executive Secretary within two working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken. This notice fulfills the requirement of Provision I.S.2.c below. (R307-415-6g(3)(d))

I.N.3 In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof. (R307-415-6g(4))

I.N.4 This emergency provision is in addition to any emergency or upset provision contained in any other section of this permit. (R307-415-6g(5))

**I.O. Operational Flexibility.**

Operational flexibility is governed by R307-415-7d(1).

**I.P. Off-permit Changes.**

Off-permit changes are governed by R307-415-7d(2).

**I.Q. Administrative Permit Amendments.**

Administrative permit amendments are governed by R307-415-7e.



I.R.        **Permit Modifications.**

Permit modifications are governed by R307-415-7f.

I.S.        **Records and Reporting.**

I.S.1        Records.

I.S.1.a        The records of all required monitoring data and support information shall be retained by the permittee for a period of at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, all original strip-charts or appropriate recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. (R307-415-6a(3)(b)(ii))

I.S.1.b        For all monitoring requirements described in Section II, Special Provisions, the source shall record the following information, where applicable: (R307-415-6a(3)(b)(i))

I.S.1.b.1        The date, place as defined in this permit, and time of sampling or measurement.

I.S.1.b.2        The date analyses were performed.

I.S.1.b.3        The company or entity that performed the analyses.

I.S.1.b.4        The analytical techniques or methods used.

I.S.1.b.5        The results of such analyses.

I.S.1.b.6        The operating conditions as existing at the time of sampling or measurement.

I.S.1.c        Additional record keeping requirements, if any, are described in Section II, Special Provisions.

I.S.2        Reports.

I.S.2.a        Monitoring reports shall be submitted to the Executive Secretary every six months, or more frequently if specified in Section II. All instances of deviation from permit requirements shall be clearly identified in the reports. (R307-415-6a(3)(c)(i))

I.S.2.b        All reports submitted pursuant to Provision I.S.2.a shall be certified by a responsible official in accordance with Provision I.K of this permit. (R307-415-6a(3)(c)(i))

I.S.2.c        The Executive Secretary shall be notified promptly of any deviations from permit requirements including those attributable to upset conditions as defined in this permit, the probable cause of such deviations, and any corrective actions or preventative measures taken. **Prompt, as used in this condition, shall be defined as written notification within 14 days.** Deviations from permit requirements due to unavoidable breakdowns shall be reported in accordance with the provisions of R307-107. (R307-415-6a(3)(c)(ii))

I.S.3 Notification Addresses.

I.S.3.a All reports, notifications, or other submissions required by this permit to be submitted to the Executive Secretary are to be sent to the following address or to such other address as may be required by the Executive Secretary:

Utah Division of Air Quality  
P.O. Box 144820  
Salt Lake City, UT 84114-4820  
Phone: 801-536-4000

I.S.3.b All reports, notifications or other submissions required by this permit to be submitted to the EPA should be sent to one of the following addresses or to such other address as may be required by the Executive Secretary:

For annual compliance certifications

Environmental Protection Agency, Region VIII  
Office of Enforcement, Compliance and  
Environmental Justice (mail code 8ENF)  
999 18th Street, Suite 300  
Denver, CO 80202-2466

For reports, notifications, or other correspondence  
related to permit modifications, applications, etc.

Environmental Protection Agency, Region VIII  
Office of Partnerships & Regulatory Assistance  
Air & Radiation Program (mail code 8P-AR)  
999 18th Street, Suite 300  
Denver, CO 80202-2466  
Phone: 303-312-6440

I.T. **Reopening for Cause.**

I.T.1 A permit shall be reopened and revised under any of the following circumstances:

I.T.1.a New applicable requirements become applicable to the permittee and there is a remaining permit term of three or more years. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the terms and conditions of this permit have been extended pursuant to R307-415-7c(3), application shield. (R307-415-7g(1)(a))

I.T.1.b The Executive Secretary or EPA determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit. (R307-415-7g(1)(c))

I.T.1.c EPA or the Executive Secretary determines that this permit must be revised or revoked to assure compliance with applicable requirements. (R307-415-7g(1)(d))

I.T.1.d Additional applicable requirements are to become effective before the renewal date of this permit and are in conflict with existing permit conditions. (R307-415-7g(1)(e))

I.T.2            Proceedings to reopen and issue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. (R307-415-7g(2))

I.U.            **Inventory Requirements.**

I.U.1            An emission inventory shall be submitted in accordance with the procedures of R307-150, Emission Inventories. (R307-150)

I.U.2            A Hazardous Air Pollutant Inventory shall be submitted in accordance with the procedures of R307-155, Hazardous Air Pollutant Inventory. (R307-155)

I.U.3            An emission statement shall be submitted in accordance with the procedures in R307-158, Emission Statement Inventory. (R307-158)

## **Section II: SPECIAL PROVISIONS**

### **II.A. Emission Unit(s) Permitted to Discharge Air Contaminants.**

(R307-415-4(3)(a) and R307-415-4(4))

- II.A.1      **Combustion Gas Turbine** (designated as Emission unit #1)  
Unit Description: 18 MW turbine operated on natural gas with fuel oil as the back-up fuel. Pre-1969.
- II.A.2      **Heat Recovery Steam Generator (HRSG)** (designated as Emission unit #2)  
Unit Description: HRSG operates primarily off turbine exhaust gases with supplemental firing using natural gas. Pre-1969.
- II.A.3      **Auxiliary Package Steam Boiler** (designated as Emission unit #3)  
Unit Description: Natural gas-fired package boiler used as back-up for process steam generation. Fuel oil is used as backup fuel. Pre-1969.
- II.A.4      **300 hp Start-up Engine** (designated as Emission unit #6)  
Unit Description: Diesel engine used to start gas turbine. Pre-1969.
- II.A.5      **Circulating Water Cooling Tower** (designated as Emission unit #7)  
Unit Description: Cooling tower. Pre-1969. No unit-specific applicable requirements.
- II.A.6      **Fuel Oil Storage Tank** (designated as Emission unit #8)  
Unit Description: 100,000 gallon diesel fuel storage tank. Pre-1969. No unit-specific applicable requirements.
- II.A.7      **Back-up Pump** (designated as Emission unit #9)  
Unit Description: Gasoline fueled back-up pump for circulating water. Pre-1969. No unit-specific applicable requirements.
- II.A.8      **Cold Solvent Degreasing** (designated as Emission unit #10)  
Unit Description: Non-halogenated solvent degreasing. Pre-1969. No unit-specific applicable requirements.
- II.A.9      **Lube Oil Storage** (designated as Emission unit #11)  
Unit Description: Lubricating oil storage including vents and equipment. Pre-1969. No unit-specific applicable requirements.
- II.A.10     **Fuel Oil Storage Area** (designated as Emission unit #12)  
Unit Description: Outside storage of fuel oil in drums. Pre-1969. No unit-specific applicable requirements.
- II.A.11     **Abrasive Blasting Operations** (designated as Emission unit #13)  
Unit Description: Self-contained, enclosed abrasive blasting box. Pre-1969. No unit-specific applicable requirements.
- II.A.12     **Portable Welder** (designated as Emission unit #14)  
Unit Description: Portable welding machine. Pre-1969. No unit-specific applicable requirements.

### **II.B. Requirements and limitations.**

The following emission limitations, standards, and operational limitations apply to the permitted facility as indicated: (R307-415-6a(1))

#### **II.B.1      Conditions on permitted source (Source-wide)**

##### **II.B.1.a      Condition:**

Sulfur content of the fuel oil combusted shall be no greater than 0.85 lbs sulfur per MMBTU. [Authority granted under R307-203-1; condition originated in R307-203-1]

II.B.1.a.1

**Monitoring:**

The following specifications shall be recorded for each purchase of fuel: weight percent sulfur, gross heating value (Btu per unit volume), and density. All specifications shall be ascertained in accordance with methods of American Society for Testing and Materials.

Sulfur content in lbs/MMBtu shall be determined by the following equation:  
$$S \text{ lbs/MMBtu} = [( \text{Weight percent sulfur} / 100 ) \times \text{Density (lb/gal)}] / [ ( \text{gross heating value (Btu/gal)} ) \times ( 1 \text{ MMBtu} / 1,000,000 \text{ Btu} ) ]$$

The permittee may obtain the above specifications by testing each purchase of fuel in accordance with the required methods; by inspection of the specifications provided by the vendor for each purchase of fuel; or by inspection of summary documentation of the fuel sulfur content from the vendor, provided that the above specifications are available from the vendor for each purchase if requested.

II.B.1.a.2

**Recordkeeping:**

Results of monitoring shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.1.a.3

**Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.1.b

**Condition:**

The permittee shall comply with the applicable requirements for servicing of motor vehicle air conditioners pursuant to 40 CFR 82, Subpart B - Servicing of Motor Vehicle Air Conditioners. [Authority granted under 40 CFR 82.30(b); condition originated in 40 CFR 82.30(b)]

II.B.1.b.1

**Monitoring:**

The permittee shall certify, in the annual compliance statement required in Section I of this permit, its compliance status with the requirements of 40 CFR 82, Subpart B.

II.B.1.b.2

**Recordkeeping:**

All records required in 40 CFR 82, Subpart B shall be maintained consistent with the requirements of Provision S.1 in Section I of this permit.

II.B.1.b.3

**Reporting:**

All reports required in 40 CFR 82, Subpart B shall be submitted as required. There are no additional reporting requirements except as outlined in Section I of this permit.

II.B.1.c

**Condition:**

The permittee shall comply with the applicable requirements for recycling and emission reduction for class I and class II refrigerants pursuant to 40 CFR 82, Subpart F - Recycling and Emissions Reduction. [Authority granted under 40 CFR 82.150(b); condition originated in 40 CFR 82.150(b)]

II.B.1.c.1

**Monitoring:**

The permittee shall certify, in the annual compliance statement required in Section I of this permit, its compliance status with the requirements of 40 CFR 82, Subpart F.

II.B.1.c.2

**Recordkeeping:**

All records required in 40 CFR 82, Subpart F shall be maintained consistent with the requirements of Provision S.1 in Section I of this permit.

II.B.1.c.3

**Reporting:**

All reports required in 40 CFR 82, Subpart F shall be submitted as required. There are no additional reporting requirements except as outlined in Section I of this permit.

II.B.2

**Conditions on Combustion Gas Turbine (Emission unit #1)**

II.B.2.a

**Condition:**

Visible emissions shall be no greater than 40 percent opacity except during periods of startup, shut-down, and other circumstances authorized by R307-201-1(7). [Authority granted under R307-305-1 & R307-201-1(7); condition originated in R307-305-1 & R307-201-1(7)]

II.B.2.a.1

**Monitoring:**

Opacity monitoring is not required as long as natural gas is the only fuel being burned. A 40 CFR Part 60, Method 9 test will be conducted at least once during each period of natural gas curtailment lasting over 24 hours in length when the unit is operated on fuel oil. Natural gas curtailment is defined as any period when the natural gas provider/supplier imposes an interruption of service, and the curtailment is involuntary and beyond the control of the permittee.

II.B.2.a.2

**Recordkeeping:**

All data required by 40 CFR 60, Appendix A, Method 9 shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.2.a.3

**Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.3

**Conditions on Heat Recovery Steam Generator (HRSG) (Emission unit #2)**

II.B.3.a

**Condition:**

Visible emissions shall be no greater than 40 percent opacity except during periods of startup, shut-down, and other circumstances authorized by R307-201-1(7). [Authority granted under R307-305-1 & R307-201-1(7); condition originated in R307-305-1 & R307-201-1(7)]

II.B.3.a.1

**Monitoring:**

Opacity monitoring is not required as long as natural gas is the only fuel being burned. A 40 CFR Part 60, Method 9 test will be conducted at least once during each period of natural gas curtailment lasting over 24 hours in length when the unit is operated on fuel oil. Natural gas curtailment is defined as any period

when the natural gas provider/supplier imposes an interruption of service, and the curtailment is involuntary and beyond the control of the permittee.

II.B.3.a.2

**Recordkeeping:**

All data required by 40 CFR 60, Appendix A, Method 9 shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.3.a.3

**Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.4

**Conditions on Auxiliary Package Steam Boiler (Emission unit #3)**

II.B.4.a

**Condition:**

Visible emissions shall be no greater than 40 percent opacity except during periods of startup, shut-down, and other circumstances authorized by R307-201-1(7). [Authority granted under R307-305-1 & R307-201-1(7); condition originated in R307-305-1 & R307-201-1(7)]

II.B.4.a.1

**Monitoring:**

Opacity monitoring is not required as long as natural gas is the only fuel being burned. A 40 CFR Part 60, Method 9 test will be conducted at least once during each period of natural gas curtailment lasting over 24 hours in length when the unit is operated on fuel oil. Natural gas curtailment is defined as any period when the natural gas provider/supplier imposes an interruption of service, and the curtailment is involuntary and beyond the control of the permittee.

II.B.4.a.2

**Recordkeeping:**

All data required by 40 CFR 60, Appendix A, Method 9 shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.4.a.3

**Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.5

**Conditions on 300 hp Start-up Engine (Emission unit #6)**

II.B.5.a

**Condition:**

Visible emissions shall be no greater than 40 percent opacity except during periods of startup, shut-down, and other circumstances authorized by R307-201-1(7). [Authority granted under R307-305-1 & R307-201-1(7); condition originated in R307-305-1 & R307-201-1(7)]

II.B.5.a.1

**Monitoring:**

Opacity observations of emissions shall be conducted semi-annually in accordance with 40 CFR 60, Appendix A, Method 9.

II.B.5.a.2

**Recordkeeping:**

All data required by 40 CFR 60, Appendix A, Method 9 shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.5.a.3

**Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

**II.C. Emissions Trading.**

(R307-415-6a(10))

Not applicable to this source.

**II.D. Alternative Operating Scenarios.**

(R307-415-6a(9))

Not applicable to this source.

**Section III: PERMIT SHIELD**

The following requirements have been determined to be not applicable to this source in accordance with Provision I.M, Permit Shield:

**III.A. 40 CFR Part 68 (Chemical Accident Prevention Provisions)**

This regulation is not applicable to the permitted source (Source-wide) because The source does not handle any listed substances in excess of the thresholds listed in the rule.

**III.B. 40 CFR 72, 73, 75, 76, 77, 78, and R307-417-1 (Acid Rain Requirements)**

This regulation is not applicable to the permitted source (Source-wide) because The source was in operation prior to November 15, 1990 and is below 25 MW capacity so the Acid Rain Program is not applicable.

**III.C. 40 CFR Part 60, Subparts D, Da, Db, Dc (Standards of Performance for New Stationary Sources)**

This regulation is not applicable to the permitted source (Source-wide) because The source was in operation prior to any of these standards being promulgated.

**III.D. 40 CFR Part 63, Subpart M (National Emission Standards for Asbestos)**

This regulation is not applicable to the permitted source (Source-wide) because The standard for asbestos (Subpart M) could be applicable during demolition projects, but this is specifically exempted by R307-15-4(2)(b).

**III.E. R307-170 (Continuous Emissions Monitoring Systems Program)**

This regulation is not applicable to the permitted source (Source-wide) because The source is not a regulated source category for the CEMS program.



III.F. **R307-205-3 (Fugitive Dust)**

This regulation is not applicable to the permitted source (Source-wide) because The source has no processes that are regulated by the fugitive dust rule.

**Section IV: ACID RAIN PROVISIONS.**

This source is not subject to Title IV. This section is not applicable.

## REVIEWER COMMENTS

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This operating permit incorporates all applicable requirements contained in the following documents:

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**1. Comment on an item originating in R307-206 regarding Abrasive Blasting Operations (Unit 13)**

Abrasive Blasting: The blasting booth is enclosed to comply with the standard for abrasive blasting operations described in R307-206. [Comment last updated on 11/23/1998]

**2. Comment on an item originating in R307-203-1 regarding permitted source (Source-wide)**

Sulfur Content of Fuel Oil: The source is grandfathered for the purposes of R307-401, but it must still comply with the fuel oil sulfur limits. [Comment last updated on 11/23/1998]

**3. Comment on an item originating in R307-305-1 regarding permitted source (Source-wide)**

Visible Emissions from Combustion Units: The source is grandfathered for the purposes of R307-401, but units combusting fuel oil must comply with the visible emission standard of 40% opacity. Also, the Heat Recovery Steam Generator must comply with the opacity standard because exhaust gases from other units can be passed through this unit. [Comment last updated on 7/10/2002]

**4. Comment on an item originating in This permit, first version regarding permitted source (Source-wide)**

Changes from first to second versions of permit: Several non-material changes were made during reopening of this permit:

- 1) Identical or similar review comments were combined under "permitted source";
- 2) Sulfur content limitation was transferred to site-wide application, instead of unit-by-unit application;
- 3) A minor wording change was made to the monitoring for the sulfur-content limit to eliminate confusion and align the condition with those at other Pacificorp sources.
- 4) Rule numbers were updated, including those for fugitive dust and the CEM program. Shield terms containing updated rule numbers were not re-evaluated for applicability. [Comment last updated on 6/25/1999]

**5. Comment on an item originating in Pacificorp request regarding permitted source (Source-wide)**

Change of annual certification due date: Pacificorp requested that the annual certification due dates for all of its sources be changed to April 1 for administrative reasons. Pacificorp will be certifying compliance status for each calendar year, with 90 days to prepare the certifications. The certifications are based in part on information that is not available until 60 days after the end of the calendar year. The request to change the compliance certification due date was granted in the revised permit. [Comment last updated on 11/23/1998]

